



NEXT LEVEL

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GRADUATION PATHWAYS & NEXT LEVEL PROGRAMS OF STUDY GUIDE 2022-2023



HOW TO USE

Information about career pathways can feel overwhelming. In this guide, we have tried to include easy-to-follow charts and visuals to help communicate the complexity of career pathways. From the table of contents, you can easily find what pathway may be of most interest to you.

PARENTS

Can learn about the offerings available through the Next Level Programs of Study in Lawrence Township. All pathways lead to viable career opportunities for students. Information about how NLPS can help meet graduation requirements, occupational data for career clusters, and guidance on what resources are available to your students throughout their high school journey are available in the guide.



STUDENTS

Can explore dozens of career options available through Next Level Programs of Study courses offered through their High School and McKenzie Center for Innovation & Technology. Tools and resources are included or referenced within the Career Guide to help you determine your interests and choose classes. Using the guide alongside conversations with counselors, parents, and other advisors can help you make the most of your high school experience and get on the path to a fulfilling career.



Industry & Community Partners

Can find crucial information related to Next Level Programs of Study in Lawrence Township in one place. Interested Businesses & Community Partners looking to expand their talent pipeline may offer Work Based Learning, Apprenticeship or Job Shadow arrangements aligned to Pathways that match their talent pipeline goals.



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Parents, Students and Community Members,

We are excited to share with you the Lawrence Township Next Level Programs of Study. For Students, the High School experience is a launching pad for a lifetime of opportunities and endless possibilities. In a learning community as vast as ours, the definition of success and the pathway to achieve it is as diverse as our students. Whether pursuing college after high school or entering the workforce, the programs outlined in this guide are designed to provide a wide range of opportunities. For students who continue their education beyond high school, these programs offer a host of benefits including college credit, connections to meaningful employment opportunities, and a host of skills that transfer to any career. For students entering the workforce upon graduation, successful completion of one of these programs prepares students to earn a liveable wage in high demand fields, offering a chance to advance quickly.

To families, thank you for trusting us to walk alongside you as we guide your student to success. For students, thank you for being willing and open to try new things. It is an honor to walk with you on this journey. For our community, thank you for supporting us as we build and sustain a High School experience that will help feed our local demand for highly skilled and qualified graduates.

Sincerely,

F. Bush Mari Swayne Brett H. Croushore



Franklyn Bush
Principal, LCHS



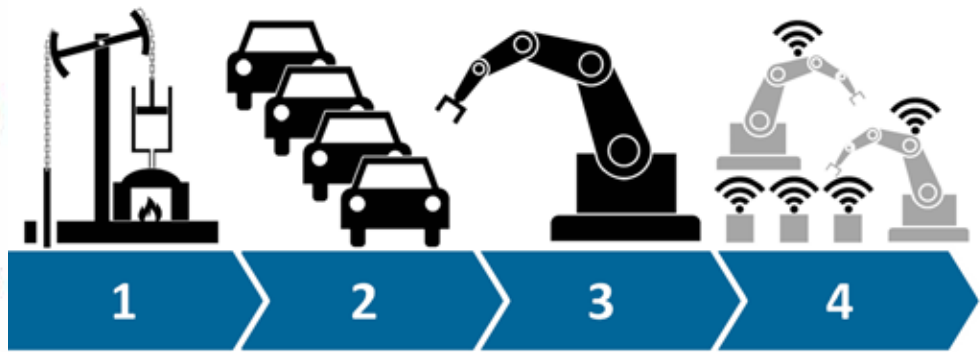
Mari Swayne
Director, MCIT



Brett Croushore
Principal, LNHS



THE NEW ECONOMY



BY THE NUMBERS

IN THE YEAR 2032

65%

OF JOBS DO NOT YET EXIST

17

THE AVERAGE NUMBER OF JOBS A PERSON WILL HOLD IN A LIFETIME

5

THE AVERAGE NUMBER OF INDUSTRIES A PERSON WILL WORK IN DURING THEIR LIFETIME

High school students today graduate into a different world than the one their parents did. Technological advancement, as well as factors like the pandemic, are causing rapid changes to our political, social, education and economic systems. The traditional career pattern of going to school early in your life, specializing in one field or job and then working in that field/job until you retire is outdated. It is expected that current students will hold an average of 17 different jobs across 5 different industries throughout their working lives. This means that the average student will change jobs every 3-5 years. Furthermore, 65% of the jobs expected to be available in the market in 2032 do not yet exist.

These concepts are important for students and families to keep in mind as they navigate this guide. Through Next Level Programs of Study, some students will discover a passion and launching point for a life-long career. However, this is unlikely for most. Instead, most students will use NLPS as a tool to go through the up-skilling cycle once before they graduate. In doing so, students gain valuable experience in learning and applying new technical skills, earning industry-recognized credentials and gaining meaningful experience through employment.

UPSKILLING

THE "LEARN > EARN > EMPLOYED" CYCLE



All career preparation begins with a cycle of learning. In some cases, this is done in a formal setting such as a college, trade school or even on-line classes. In other cases, the learning is less formal through on-the-job training, apprenticeships or first-hand experiences.



Potential employees communicate their readiness for a given job to an employer through an earned credential such as a degree, license, certification or credit. Employers use these credentials to quickly screen for new candidates.



With students entering into new jobs every 3-5 years throughout their career, we can reasonably predict that they will go through this full cycle several times. NLPS provides students with the opportunity to become proficient at navigating this cycle before graduation.





GRADUATION REQUIREMENTS

For Class of 2023 & Beyond

Beginning with the graduation class of 2023, Indiana high school students must satisfy three Graduation Requirements:

- 1. Earn an Indiana High School Diploma - [Box 1](#)**
- 2. Demonstrate Employability Skills - [Box 2](#)**
- 3. Demonstrate at least one Post-Secondary Readiness Competency - [Box 3](#)**

1

Box 1: DIPLOMA OPTIONS:

- **Core 40 Diploma [44 Credits] OR**
- **Academic Honors Diploma [47 Credits] OR**
- **Technical Honors Diploma [47 Credits]**

2

Box 2: EMPLOYABILITY SKILLS:

- **Completion of a Project-Based Learning Experience OR**
- **Completion of a Service-Based Learning Experience OR**
- **Completion of a Work-Based Learning Experience**

3

Box 3: POST-SECONDARY READINESS COMPETENCIES:

- **Academic or Technical Honors Diploma**
- **Minimum Score on ACT, SAT or ASVAB**
- **State and/or Industry Recognized Credential or Certification**
- **Career-Technical Education Concentrator**
- **Federally-recognized Apprenticeship**
- **Complete 3 AP, IB or Dual-Credit Courses with a C Average**
- **Completion of a Locally-Created Pathway**

1

Box 1: Diploma Options

- Core 40 Diploma [44 Credits] OR
- Academic Honors Diploma [47 Credits] OR
- Technical Honors Diploma [47 Credits]

INDIANA
CORE40

Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

Course and Credit Requirements

English / Language Arts	8 credits Including a balance of literature, composition and speech.
Mathematics	6 credits (in grades 9-12) <ul style="list-style-type: none"> • 2 credits: Algebra I • 2 credits: Geometry • 2 credits: Algebra II <i>*Or complete Integrated Math I, II, and III for 6 credits. Students must take a math course or quantitative reasoning course each year in high school</i>
Science	6 credits <ul style="list-style-type: none"> • 2 credits: Biology I • 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics • 2 credits: any Core 40 science course
Social Studies	6 credits <ul style="list-style-type: none"> • 2 credits: U.S. History • 1 credit: U.S. Government • 1 credit: Economics • 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	5 credits <ul style="list-style-type: none"> • World Languages • Fine Arts • Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
Electives*	10 credits (College and Career Pathway courses recommended)
44 Total Credits Required	

Schools may have additional local graduation requirements that apply to all students

* Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a College and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career and college exploration and preparation opportunities.

**Scores updated September, 2017

CORE40 with Academic Honors

(minimum 47 credits)

For the **Core 40 with Academic Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
 - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
 - B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
 - C. Earn two of the following:
 1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
 2. 2 credits in AP courses and corresponding AP exams,
 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE40 with Technical Honors

(minimum 47 credits)

For the **Core 40 with Technical Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
 1. Pathway designated industry-based certification or credential, or
 2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following,
 - A. Any one of the options (A - F) of the Core 40 with Academic Honors
 - B. Earn the following scores or higher on WorkKeys: Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information – Level 5.
 - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
 - D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

2

Box 2: EMPLOYABILITY SKILLS:

- Completion of a Project-Based Learning Experience OR
- Completion of a Service-Based Learning Experience OR
- Completion of a Work-Based Learning Experience

PROJECT-BASED LEARNING

In Project-Based Learning (PBL), students are engaged in complex, authentic projects that require them to apply a set of learned skills and/or knowledge. In most cases, projects call for students to collaborate with each other and present the product of their work to a public audience. In LT, students experience PBL in a host of different ways throughout their high school experience. All Next Level Programs of Study will provide students with a minimum of one PBL experience.



SERVICE-BASED LEARNING

In Service-Based Learning (SBL), students apply newly learned skills and/or knowledge in the form of a community service project. Service Projects are often completed with the help of a community partner. While many students are actively involved in community service, to qualify as SBL, a given activity or community service arrangement must be documented and include a journaling or reflection component. Students interested in completing SBL should discuss options with their school counselor.



WORK-BASED LEARNING

In Work-Based Learning (WBL), students apply recently learned skills and/or knowledge while working for a local employer. Students engaged in WBL are often paid for their work and complete assignments that ask them to reflect on their experiences. For students, WBL can be a tremendous opportunity to gain real-world experience within a field of interest, while earning money and kick-starting a professional network. For businesses, WBL arrangements are powerful tools to recruit and attract young, diverse talent.





Box 3: POST-SECONDARY READINESS COMPETENCIES:

- Academic or Technical Honors Diploma
- Minimum Score on ACT, SAT or ASVAB
- State and/or Industry Recognized Credential or Certification

- **Career-Technical Education Concentrator**

- Federally-recognized Apprenticeship
- Complete 3 AP, IB or Dual-Credit Courses with a C Average
- Completion of a Locally-Created Pathway

While many students will satisfy more than one Box 3 requirement, we recommend that most students pursue a "Career & Technical Education Concentrator" by completing a **NEXT LEVEL PROGRAM OF STUDY**.

Next Level Programs of Study Explained

The Next Level Programs of Study (NLPS) are a series of 3-4 courses that students take during their high school career that will prepare them for a specific career pathway. Most of the NLPS include opportunities for students to earn college credit and industry recognized certifications. All students that complete an NLPS are prepared for meaningful employment in a career pathway upon graduation.

PRINCIPLES COURSE:

This course sets the foundation for a career pathway and students can begin earning dual credits as they learn content that is often applicable to multiple, closely related programs of study.

CONCENTRATOR COURSES:

Students acquire the core occupational skills needed for a particular occupation. Industry recognized certifications are integrated into these courses and students are able to obtain CTE concentrator status after completion of both courses.

PRINCIPLES COURSE:
2 CREDITS

CONCENTRATOR A COURSE:
2 CREDITS

CONCENTRATOR B COURSE:
2 CREDITS

EARN CTE CONCENTRATOR STATUS BY COMPLETING THESE THREE COURSES

CAPSTONE COURSE: 2+ CREDITS

After achieving CTE concentrator status, students can complete a program of study by enrolling in the Capstone course. Students will be able to complete all of the technical courses required for the post-secondary program and have time built in for work-based learning opportunities, such as internships, clinicals, or on-the-job training.



CAREER & TECHNICAL EDUCATION

NEXT LEVEL PROGRAMS OF STUDY (NLPS) OFFER ALL STUDENTS THE OPPORTUNITY TO BENEFIT FROM THE UNIQUE ELEMENTS OF CAREER & TECHNICAL EDUCATION (CTE).

REAL WORLD EXPERIENCE

CTE classes offered at McKenzie Center for Innovation & Technology offer unique real world experiences that cannot be found in other high school courses. CTE students learn by doing through hands-on lab experiences and on-the-job projects through work-based learning or career relevant experiences. Students have the opportunity to solve problems and create products using real equipment applicable

to their course's industry.

Activities available through CTE include project-based learning challenges provided by industry, Career and Technical Student Organization (CTSO) competitions, opportunities to operate school-based businesses, and internships. Students often have the opportunity to work with and be mentored by a network of industry professionals.

CAREER & TECHNICAL STUDENT ORGANIZATIONS

Career and Technical Student Organizations (CTSO's) are CTE organizations available for students at McKenzie Center for Innovation & Technology that expose students to career awareness, career exploration and career preparation.

Students learn not only industry-specific skills, but also professional skills such as communications, teamwork and problem solving, which are valued by employers.



DUAL CREDIT

Dual Credit courses offer high school students the opportunity to earn both high school and college credits in the same course. Taking Dual Credit courses prepares students for the transition to college and helps students jump ahead in their postsecondary education. In Indiana, courses are offered at little to no cost to the student.

Dual Credit courses are offered in partnership with Lawrence Township

College and University partners. Work with your counselor to review the list of Dual Credit courses available to you and see what might be a good fit with your strengths and interests.

Lawrence Township's partnership with Ivy Tech Community College and Vincennes University in the development of Next Level Programs of Study helps ensure that dual credits obtained in high school are easily transferable.



CERTIFICATIONS

CTE offers students the chance to earn industry certifications while in high school. These are programs that are usually completed in a year or less and provide specialized training within a particular career path.

Many certifications that students can earn are part of Indiana's Promoted Industry Certifications List which recognizes certifications that are valued by industry, have transference to postsecondary training programs, and lead to quality employment. Eligible promoted certifications can also count towards Graduation.

Follow the QR Code to take a virtual tour of MCIT!



WORK-BASED LEARNING.....

WORK-BASED LEARNING ALLOWS STUDENTS TO LEARN FIRST-HAND WHAT IT TAKES TO BE SUCCESSFUL IN THE WORKFORCE BY APPLYING THEIR EDUCATION AND TECHNICAL SKILLS THROUGH ON-THE-JOB LEARNING.

These experiences within a chosen career pathway are an essential component to teach the “why” of what is being taught in the classroom and how it transitions to the workplace. Students often learn best through these experiences of acquiring skills in the context of their real world application.

WHAT IS WORK-BASED LEARNING?

The Lawrence Township work-based learning program, offers a combination of school and workplace learning with local employers. Students either work off-site at an employer’s location, or employers come on-site into the classroom.

Students learn first-hand how to operate in the workforce, learning what it takes to be successful while gaining both an education and valuable technical skills within their chosen career pathway.

EMPLOYABILITY SKILLS

Students learn not only industry-specific technical skills, but also professional skills valued by nearly all employers, including:

- Communications
- Problem Solving
- Teamwork
- Professionalism
- Attendance
- Positive Attitude
- Ability
- Willingness to Learn

WORK-BASED LEARNING CONTINUUM

Check out the pictured work-based learning continuum that represents the type of work-based learning experiences a student may participate in throughout different phases of a career pathway.

DISCOVER

Career Awareness experiences begin in Middle School and extends into 9th&10th Grade. These experiences present information on the multitude of careers for students. These introductory activities typically occur within the academic setting.

Activities might include:

- Career Fair
- Career Presentation
- Workplace Tour (In Person or Virtual)

HIGH SCHOOL APPRENTICESHIPS



MCIT apprenticeship programs combine on-the-job learning with academic and technical classroom instruction. Students participating in high school apprenticeships may be able to earn college credits and industry certifications. Additionally, students have the opportunity to begin on a career path that can eventually lead to full-time employment. Students will often build off their high school apprenticeship by transitioning to a full-time registered apprenticeship or obtaining additional post-secondary education after high school.

High school apprenticeships are also a valuable tool for businesses by providing new talent streams and creating a direct link between employers and the talent development system.

Lawrence Township is actively pursuing partnerships to expand on existing apprenticeships through State Earn and Learn (SEAL) programs, Youth Apprenticeships, and Pre-Apprenticeships. Interested partners should contact the district via www.LTschools.org or call MCIT Directly.

CAREER EXPLORATION

INQUIRE

Career Exploration activities combine the academic setting and the workplace. Through structured learning activities, students will interact with industry professionals to inform career decisions.

Activities might include:

- Business or Industry Tour
- Project Based Learning with Industry Partner
- Indiana Career Explorer
- Informational Interview
- Job Shadow
- Networking Events

CAREER PREPARATION

PREPARE

Career Preparation experiences are continued authentic interactions with industry professionals and communities, designed to reinforce and assess foundational professional skills.

Activities might include:

- Clinical Experience
- Internship
- Extended Learning (CTSO's and Community Engagement)
- School-based Enterprise
- Youth Apprenticeship

CAREER TRAINING

DEVELOP

Career Training experiences allow students to develop their skills for employment for a specific career, often continuing after high school.

Activities might include:

- Clinical Experience
- On-the-job Training
- Apprenticeship
- State Earn and Learn



FRESHMAN PATHWAY ENTRY POINTS

Principles of Business Management

Finance & Investment Pathway

Marketing & Sales Pathway

Business Administration Pathway

Accounting Pathway

Civic Arts Pathway

Principles of Digital Design

Digital Design Pathway

Principles of Computing

IT Support & Services Pathway

Software Development Pathway

Cybersecurity Pathway

Introduction to Engineering Design (PLTW)

Engineering Pathways*

Principles of Biomedical Science (PLTW)

BioMed Science & Tech Pathway

Principles of Early Childhood Education

Early Childhood Education Pathway

Principles of Broadcasting

Radio & Television Pathway

Principles of Culinary & Hospitality

Culinary Arts Pathway

Hospitality Management Pathway

Principles of Entrepreneurship

Entrepreneurship Pathway

CAREER PATHWAY

* Specialized Pathways Available



10th Grade & Beyond Entry Points

Principles of Criminal Justice

Criminal Justice Pathway

Principles of Automotive Service & Collision Repair

Automotive Service Pathway

Collision Repair Pathway

Principles of Healthcare

Pharmacy Technician Pathway

Pre-Nursing / Healthcare Specialist Pathway

Principles of Teaching

Education Professions Pathway

Principles of Construction Trades

Construction Trades Pathway

Principles of Cosmetology & Barbering

Cosmetology Pathway

Barbering Pathway

* Pathway Under State or Local Construction



CONSTRUCTION TRADES PATHWAY

Construction Trades workers help to build the school you attend, the buildings where people work, the homes where people live and roads people drive on. Our community relies on Construction Trades workers to build, maintain and repair the world around us. There is a shortage of skilled workers in the Construction Trades. Successful students are in high-demand and stand to gain from tremendous growth opportunities after graduation.

Pathway Sequence & Course Information

The Construction Trades Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This Pathway begins in the 10th Grade and requires concurrent enrollment in the Year 2 courses. This reflects the current version of the pathway; course sequences may be subject to change.

Principles of Construction Trades: 2 Semesters | 10th or 11th Grade

This course prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses of common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally students will apply communication and mathematics skills within the context of the construction industry.

YEAR 1

Construction Trades - General Carpentry: 2 Semesters | 11th or 12th Grade

This course builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. This includes studying the procedures for laying out and constructing floor systems, wall systems, ceiling joist and roof framing, and basic stair layout. This course is required to be taken concurrently with Construction Trades - Framing & Finishing as a double-block.

YEAR 2
(CONCURRENT)

Construction Trades - Framing & Finishing: 2 Semesters | 11th or 12th Grade

This course prepares students with advanced framing skills along with interior and exterior finishing techniques. Topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, ceiling trim, and cabinet installation. Students also are exposed to basic electrical, HVAC, and plumbing installation.

Construction Trades Capstone: 2+ Semesters | 11th or 12th Grade

The Construction Trades Capstone provides students with Work-Based Learning, Apprenticeship and Internship opportunities. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also having the opportunity to begin earning wages as they learn.

YEAR 3
(OPTIONAL)



CONSTRUCTION TRADES PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Certifications

Dual Credit

Successful students may earn construction-trades dual-credit via Ivy Tech Community College.



Industry Certifications

Certifications may be earned through the Indiana-Kentucky-Ohio Regional Council of Carpenters and the National Center for Construction Education & Research.



In-Demand Construction-Trades Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Carpenter	\$43,280	9%	20,374
	HVAC Technician	\$44,060	17%	7,771
	Plumber & Pipefitter	\$57,400	18%	13,808
	Electrician	\$57,680	10%	987
Associate's Degree	Interior Designer	\$50,850	8%	987
	Architectural and Civil Drafter	\$50,900	12%	1,354
	Construction Manager	\$81,710	11%	5,468
Bachelor's Degree	Architect	\$83,930	9%	1,029
	Architectural and Engineering Manager	\$115,410	9%	3,068



DIGITAL DESIGN PATHWAY

Digital Design involves working with computers, animation, video, and photography to create online media products that engage the user, including websites, online marketing campaigns, and interactive gaming apps. In this pathway, students gain valuable experience using professional equipment to create, modify, and publish media assets. Digital Design skills are in high-demand and can be applied to a multitude of future career pathways.

Pathway Sequence & Course Information

The Digital Design Pathway consists of a four course sequence. For the third course in the sequence, students have a choice in specialty. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Digital Design: 2 Semesters | 9th or 10th Grade

This course introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will also begin developing their skills to capture, manipulate and layout digital images within Adobe Creative Cloud (Photoshop, InDesign, etc.).

YEAR 1



Digital Design - Graphics: 2 Semesters | 10th or 11th Grade

This course expands on Principles of Digital Design by providing students with opportunities to create the most common types of computer graphics used in visual communications. Students advance their skills with professional vector-based & layout tools (primarily Adobe Creative Cloud). Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, 3-D Cameras and computer scanners.

YEAR 2



Interactive Media Design:

2 Semesters | 10, 11, or 12th Gr.
Students specialize in emerging digital media technologies such as Animation, Video Production, Graphics and Digital Audio.

OR

Graphic Design & Layout:

2 Semesters | 10, 11, or 12th Gr.
Students specialize in the layout and design of Graphic, Web and Print media.

OR

Professional Photography & Videography:

2 Semesters | 10, 11, or 12th Gr.
Students specialize in the capture and production of professional grade images and videos.

YEAR 3



Digital Design Capstone: 2+ Semesters | 11th or 12th Grade

The Digital Design Capstone course provides students the opportunity to dive deeper into advanced concepts of Visual Communication including user experience/user interface design, video production editing, animation and/or web design. Students will also explore work-based learning and internship opportunities in Interactive Media.

YEAR 4



DIGITAL DESIGN PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Certifications

Dual Credit

Students may earn college credits for Interactive Media through our dual-credit partner, Ivy Tech Community College.



Industry Certifications

Students may earn Industry certifications through Adobe Digital Learning Services.



In-Demand Communications Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Broadcast Technician	\$33,300	1%	566
	Audio & Video Equipment Technician	\$34,170	13%	1,044
Associate's Degree	Camera Operator - TV, Video, Motion Pic.	\$40,420	7%	293
	Graphic Designer	\$41,550	4%	4,566
	Multimedia Artist & Animator	\$52,810	6%	333
	Commercial and Industrial Designer	\$63,700	11%	849
	Art Director	\$68,170	5%	598
Bachelor's Degree	Public Relations Specialist	\$55,460	10%	3,462



RADIO & TELEVISION PATHWAY

Radio & Television Broadcasting includes both presenting and delivering news, weather, sports and featured stories as a broadcaster or reporter, as well as the technical production as a camera operator or production technician. Successful students can expect to work with cutting edge communications technology and assist with the development and distribution of content to a school-wide and community-wide audience.

Pathway Sequence & Course Information

The Radio & Television Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Broadcasting: 2 Semesters | 9th or 10th Grade

The purpose of the Principles of Broadcasting course is to provide entry-level fundamental skills for students who wish to seek or pursue opportunities in the field of broadcasting or mass media. Students will explore the technical aspects of audio and sound design for radio production and distribution, as well as the technical aspects of video production and distribution.

YEAR 1



Audio & Video Production Essentials: 2 Semesters | 10th or 11th Grade

Audio and Video Production Essentials provides an in-depth study on audio and video production techniques for radio, television, and digital technologies. Students will learn skills necessary for audio production and on-air work used in radio and other digital formats. Additionally, experience will be gained in the development of the video production process; including skills in message development, directing, camera, video switcher, and character generator operations.

YEAR 2



Mass Media Production: 2 Semesters | 10th, 11th or 12th Grade

Mass Media Production will focus on the study of theory and practice in the voice and visual aspects of radio and television performance. In addition, this course introduces the skills used to acquire and deliver news stories in a digital media format. Students will learn how to research issues and events, interview news sources, interact with law enforcement and government officials, along with learning to write in a comprehensive news style.

YEAR 3



Broadcasting Capstone: 2+ Semesters | 11th or 12th Grade

The Broadcasting Capstone course provides students the opportunity to dive deeper into the production of Mass Media through a practicum experience which will broadcast student projects to the community. Students may also gain valuable experience working in internships and work-based learning arrangements with local media outlets.

YEAR 4



RADIO & TELEVISION PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator

Dual Credit & Industry Certifications

This pathway is currently under development. No dual-credit or industry certifications are currently offered within this pathway. However, we are actively exploring options for the future.

In-Demand Communications Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Broadcast Technician	\$33,300	1%	566
	Audio & Video Equipment Technician	\$34,170	13%	1,044
Associate's Degree	Camera Operator - TV, Video, Motion Pic.	\$40,420	7%	293
	Graphic Designer	\$41,550	4%	4,566
	Multimedia Artist & Animator	\$52,810	6%	333
	Commercial and Industrial Designer	\$63,700	11%	849
	Art Director	\$68,170	5%	598
Bachelor's Degree	Public Relations Specialist	\$55,460	10%	3,462



AUTOMOTIVE TECHNOLOGY PATHWAY

Automotive Service Technology includes two distinct tracks; Automotive Service and Collision Repair. The Automotive Service Track prepares students to perform repair and maintenance within the major Automotive Systems. Collision Repair prepares students to replace and repair damages to the body and chassis of a vehicle, as well as the repair or replacement of other systems effected by a collision.



Pathway Sequence & Course Information

The Automotive Technology Pathway consists of a four course sequence. In Year 2, students choose a Track to complete. Year 2 Courses should be taken concurrently as a double-block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Automotive Service & Collision Repair: 2 Semesters | 10th or 11th

The course provides students an overview of the operating, electrical, and general maintenance systems of the modern automobile. Students will study the maintenance and light repair of automotive systems. They will be introduced to workshop safety and operation of equipment and tools used in the automotive industry.

YEAR 1



Automotive Service Track — OR — Collision Repair Track

Brake Systems:

2 Semesters | 11th or 12th Grade

Automotive Body Repair:

2 Semesters | 11th or 12th Grade

Steering & Suspensions:

2 Semesters | 11th or 12th Grade

Plastic Body Repair & Painting Fundamentals:

2 Semesters | 11th or 12th Grade

YEAR 2
(CONCURRENT)



Automotive Technology Capstone: 2+ Semesters | 12th Grade

The Auto Technology Capstone provides students with Work-Based Learning, Apprenticeship and Internship opportunities. This program is sponsored by Ed Martin Automotive. Through the program, students gain valuable work experience, while also having the opportunity to begin earning wages as they learn.

YEAR 3
(OPTIONAL)



AUTOMOTIVE TECHNOLOGY PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Certifications

Dual Credit

Students may earn college credits for Interactive Media through our dual-credit partner, Vincennes University.



Industry Certifications

Students may earn industry certifications through the National Institute for Automotive Service and I-CAR.

The Automotive Technology Pathway is sponsored by Ed Martin Automotive Group.



In-Demand Automotive Technology Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Recreation Vehicle Service Technician	\$36,030	12%	1,359
	Automotive Service Technician	\$39,540	6%	16,517
	Bus and Truck Mechanic / Diesel Engine Specialist	\$42,500	10%	8,301
	Automotive Body Repairer	\$44,390	9%	3,732
	Aircraft Mechanic and Service Tech.	\$47,820	13%	1,332
	Mobile Heavy Equipment Mechanic	\$48,510	9%	3,820
Associate's Degree	Air Traffic Controller	\$120,410	5%	630



ACCOUNTING PATHWAY

Accounting is the process of recording financial transactions usually pertaining to a business or organization. Financial statements are prepared to deliver an accurate summary of an organization's financial position and operations. Students that complete the Accounting Pathway will be prepared for entry level accounting jobs such as billing and processing clerks. If interested, students will also be well prepared to further pursue Accounting in College.

Pathway Sequence & Course Information

The Accounting Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Business Management: 2 Semesters | 9th or 10th Grade

Principles of Business Management examines business ownership, organization principles and problems, management, and financial practices of business enterprises. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software. This course serves as the entry point to multiple Business related pathways.

YEAR 1



Accounting Fundamentals: 2 Semesters | 10th or 11th Grade

This course introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

YEAR 2



Advanced Accounting: 2 Semesters | 10th, 11th or 12th Grade

Advanced Accounting expands on the Generally Accepted Accounting Principles (GAAP) and procedures for various forms of business ownership using double-entry accounting covered in Accounting Fundamentals, including an emphasis on payroll accounting. Emphasis is placed on applying Generally Accepted Accounting Principles through hands-on practice with popular commercial accounting software packages that are currently used in business.

YEAR 3



Accounting Capstone: 2+ Semesters | 11th or 12th Grade

The Accounting Capstone provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



ACCOUNTING PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Certifications

Dual Credit

Students may earn college credit through our dual-credit partner, Ivy Tech Community College.



Industry Certifications

Students may earn industry certifications in Quickbooks from Intuit.



In-Demand Business Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Tax Preparer	\$34,840	17%	3,081
	Billing Clerk	\$35,460	14%	10,769
	Insurance Claims and Policy Processing Clerk	\$37,610	10%	4,995
Associate's Degree	Insurance Sales Agent	\$58,910	9%	11,589
	Financial Services Sales Agent	\$96,940	5%	4,215
Bachelor's Degree	Accountant and Auditor	\$65,880	11%	22,345
	Personal Financial Advisor	\$104,710	16%	4,070
	Financial Manager	\$113,150	19%	7,896



BUSINESS ADMINISTRATION PATHWAY

Business Administration is responsible for supporting the day-to-day activities of businesses, including executives overseeing the business, human resources managing people, training that develops people, or administrative tasks that support all aspects of the business. In this pathway, students are exposed to a broad spectrum of business related topics including the management of people and finances.

Pathway Sequence & Course Information

The Business Administration Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Business Management: 2 Semesters | 9th or 10th Grade

Principles of Business Management examines business ownership, organization principles and problems, management, and financial practices of business enterprises. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software. This course serves as the entry point to multiple Business related pathways.

YEAR 1



Management Fundamentals: 2 Semesters | 10th or 11th Grade

Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships.

YEAR 2



Accounting Fundamentals: 2 Semesters | 10th, 11th or 12th Grade

This course introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

YEAR 3



Business Administration Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



BUSINESS ADMINISTRATION PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Certifications

Dual Credit

Students may earn college credit through our dual-credit partner, Ivy Tech Community College.



Industry Certifications

Students may earn industry certifications in Microsoft Office Products.



In-Demand Business Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Tax Preparer	\$34,840	17%	3,081
	Billing Clerk	\$35,460	14%	10,769
	Insurance Claims and Policy Processing Clerk	\$37,610	10%	4,995
Associate's Degree	Insurance Sales Agent	\$58,910	9%	11,589
	Financial Services Sales Agent	\$96,940	5%	4,215
Bachelor's Degree	Accountant and Auditor	\$65,880	11%	22,345
	Personal Financial Advisor	\$104,710	16%	4,070
	Financial Manager	\$113,150	19%	7,896



ENTREPRENEURSHIP PATHWAY

Entrepreneurship is the act of creating, building and scaling a business to generate a profit. It is common for an entrepreneur to be an innovator, creating a new product or idea or coming up with a way of doing things that can be turned into a business. In this pathway, students will gain the experience and knowledge needed to start and grow their own business. They will meet other Entrepreneurs and graduate inspired to create businesses that generate profit and serve their communities.

Pathway Sequence & Course Information

The Entrepreneurship Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Entrepreneurship: 2 Semesters | 9th or 10th Grade

Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture.

YEAR 1



New Venture Development: 2 Semesters | 10th or 11th Grade

New Venture Development is targeted to students interested in creating and growing their own businesses. Students will apply marketing concepts to entrepreneurial company challenges, which include creating and nurturing relationships with new customers, suppliers, distributors, employees and investors; and understand the special challenges and opportunities involved in developing marketing strategies "from the ground up."

YEAR 2



Small Business Operations: 2 Semesters | 10th, 11th or 12th Grade

Small Business Operations will help students identify and evaluate the various sources available for funding a new enterprise; demonstrate an understanding of financial terminology; read, prepare, and analyze basic financial statements; estimating capital requirements and risk, exit strategies; and prepare a budget for their business, including taxes and personnel costs. The student should also be able to identify financing needs, and prepare sales forecasts.

YEAR 3



Entrepreneurship Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



ENTREPRENEURSHIP PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Students may earn college credit through our dual-credit partner, Ivy Tech Community College.



In-Demand Business Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Tax Preparer	\$34,840	17%	3,081
	Billing Clerk	\$35,460	14%	10,769
	Insurance Claims and Policy Processing Clerk	\$37,610	10%	4,995
Associate's Degree	Insurance Sales Agent	\$58,910	9%	11,589
	Financial Services Sales Agent	\$96,940	5%	4,215
Bachelor's Degree	Accountant and Auditor	\$65,880	11%	22,345
	Personal Financial Advisor	\$104,710	16%	4,070
	Financial Manager	\$113,150	19%	7,896



FINANCE & INVESTMENT PATHWAY

Finance is the business of money. Banks loan money to individuals and businesses, and offer a place for you to keep your money safe and earn interest. Financial service companies help you manage and grow your money. The insurance industry provides families and companies with financial protection in the event of accidents or emergencies. Successful students in the Finance and Investment Pathway are prepared to enter the Banking and Finance workforce directly or pursue further education in the field.

Pathway Sequence & Course Information

The Finance & Investment Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Business Management: 2 Semesters | 9th or 10th Grade

Principles of Business Management examines business ownership, organization principles and problems, management, and financial practices of business enterprises. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software. This course serves as the entry point to multiple Business related pathways.

YEAR 1



Personal Finance and Banking: 2 Semesters | 10th or 11th Grade

Personal Finance and Banking emphasizes management of individual financial resources for growth and maintenance of personal wealth. Covers home buying and mortgage financing, installment financing, life and health insurance, securities, commodities and other investment opportunities. Students will gain an overview of banking industry and the financial services provided by banks for individuals and businesses.

YEAR 2



Finance & Investment: 2 Semesters | 10th, 11th or 12th Grade

Students analyze and synthesize high-level skills needed for a multitude of careers in the banking and investment industry. Students learn banking, investments, and other finance fundamentals and applications related to financial institutions, business and personal financial services, investment and securities, risk management products, and corporate finance.

YEAR 3



Finance & Investment Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



FINANCE & INVESTMENT PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator

Dual Credit & Industry Certifications

This pathway is currently under development. No dual-credit or industry credentials are currently offered within this pathway. However, we are actively exploring options for students to earn valuable credit via this pathway.

In-Demand Business Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Tax Preparer	\$34,840	17%	3,081
	Billing Clerk	\$35,460	14%	10,769
	Insurance Claims and Policy Processing Clerk	\$37,610	10%	4,995
Associate's Degree	Insurance Sales Agent	\$58,910	9%	11,589
	Financial Services Sales Agent	\$96,940	5%	4,215
Bachelor's Degree	Accountant and Auditor	\$65,880	11%	22,345
	Personal Financial Advisor	\$104,710	16%	4,070
	Financial Manager	\$113,150	19%	7,896



MARKETING & SALES PATHWAY

Marketing careers focus on contributing information, ideas and research to help develop marketing strategies to sell a business's products or services. Sales people work specifically with customers to identify their needs, and sell them products and solutions that solve their needs or problems. Successful students will be prepared to work in customer-facing roles in business and retail.

Pathway Sequence & Course Information

The Marketing & Sales Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Business Management: 2 Semesters | 9th or 10th Grade

Principles of Business Management examines business ownership, organization principles and problems, management, and financial practices of business enterprises. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software. This course serves as the entry point to multiple Business related pathways.

YEAR 1



Marketing Fundamentals: 2 Semesters | 10th or 11th Grade

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, market planning, marketing information management, and professional selling skills.

YEAR 2



Digital Marketing: 2 Semesters | 10th, 11th or 12th Grade

Digital Marketing provides an introduction to the world of e-commerce and digital marketing media. The course covers how to integrate digital media and e-commerce into organizational and marketing strategy. Students will explore e-commerce applications and the most popular digital marketing tactics and tools.

YEAR 3



Marketing Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



MARKETING & SALES PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator

Dual Credit & Industry Credentials

Dual Credit

Students may earn college credit through our dual-credit partner, Ivy Tech Community College.



In-Demand Business Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Tax Preparer	\$34,840	17%	3,081
	Billing Clerk	\$35,460	14%	10,769
	Insurance Claims and Policy Processing Clerk	\$37,610	10%	4,995
Associate's Degree	Insurance Sales Agent	\$58,910	9%	11,589
	Financial Services Sales Agent	\$96,940	5%	4,215
Bachelor's Degree	Accountant and Auditor	\$65,880	11%	22,345
	Personal Financial Advisor	\$104,710	16%	4,070
	Financial Manager	\$113,150	19%	7,896



EARLY CHILDHOOD EDUCATION PATHWAY

Early Childhood Education focuses on teaching and guiding Preschool children, helping them adjust socially and interact with others, and giving them the building blocks to learn and be curious. Exposing young children to art, music, language, math, and social settings helps to improve their development. Successful students will be licensed and have opportunities to work in LT Early Learning Centers during Summers or before & After school.



Pathway Sequence & Course Information

The Early Childhood Education Pathway consists of a four course sequence. The Year 2 Courses ought to be taken concurrently (Double-Block). Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Early Childhood Education: 2 Semesters | 9th or 10th Grade

This course provides students with an overview of skills and strategies necessary to successfully complete a certificate & exposure to types of programs, curricula and services available to young children in Lawrence Township Schools.

YEAR 1



Early Childhood Education - Curriculum: 2 Semesters | 10th or 11th Grade

This course provides students with an overview of skills and strategies necessary to successfully complete a certificate & exposure to types of programs, curricula and services available to young children in Lawrence Township Schools.

**YEAR 2
(CONCURRENT)**



Early Childhood Education - Guidance: 2 Semesters | 10th or 11th Grade

This course allows students to analyze developmentally appropriate guidance, theory and implementation for various early care and education settings. It also provides a basic understanding of the anti-bias/multicultural emphasis in the field of early childhood.



Early Childhood Education Capstone: 2+ Semesters | 11th or 12th Grade

This course provides students with an opportunity for Work-Based Learning Experience in one of the four nationally recognized Early Learning Centers in MSD of Lawrence Township.

YEAR 3



EARLY CHILDHOOD EDUCATION PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Certifications

Dual Credit & Industry Credentials

Dual Credit

We are currently working to identify a dual-credit provider for this program.

Industry Certifications

Students may earn the Child Development Associate (CDA), a nationally recognized certification for Early Childcare Providers.



The Child Development Associate (CDA) Credential™

In-Demand Education Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Teacher Assistant	\$22,620	7%	27,801
Associate's Degree	Preschool Teacher	\$26,900	9%	5,865
Bachelor's Degree	Special Education Teacher, Kindergarten and Elementary School	\$48,980	6%	2,031
	Elementary School Teacher	\$49,250	6%	20,454
	Middle School Teacher	\$51,400	6%	7,419
	Secondary School Teacher	\$51,870	6%	14,033
	School and Guidance Counselor	\$51,950	11%	4,658



EDUCATION PROFESSIONS PATHWAY

Education Professions prepares students to pursue a career in Education. Students learn about the art and science of teaching from a unique blend of experiences including classroom observations, lesson design workshops and internships. Through a unique partnership with Butler University, successful students get a head-start on the pathway to becoming a licensed teacher with the possibility of gaining valuable work experience in Lawrence Township Schools along the way!

Pathway Sequence & Course Information

The Education Professions Pathway consists of a four course sequence. The Year 2 Courses ought to be taken concurrently (Double-Block). Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Teaching: 2 Semesters | 10th or 11th Grade

This course provides a general introduction to the field of teaching. Students will explore educational careers, teaching preparation, and professional expectations as well as requirements for teacher certification. A minimum 20 hour classroom observation experience is required for successful completion of this course.

YEAR 1



Child and Adolescent Development: 2 Semesters | 11th or 12th Grade

Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. An observation experience up to 20 hours may be required for completion of this course.

YEAR 2
(CONCURRENT)



Teaching & Learning: 2 Semesters | 11th or 12th Grade

Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned. Students engage in field experiences during which they prepare and deliver lessons. Students are exposed to Educational Technology tools that are used by LT Teachers to create, collect and deliver digital learning materials.



Education Professions Capstone: 2+ Semesters | 11th or 12th Grade

This course provides students with an opportunity to apply their skills in Elementary and Early Learning classrooms across Lawrence Township. Students gain valuable experience managing groups of children and learning about the Education profession. Successful students will be prepared to pursue opportunities as Coaches, Counselors and Teachers Aids.

YEAR 3



EDUCATION PROFESSIONS PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Through a partnership with Butler University, LT students may earn dual-credit through Butler's College of Education.



Industry Certifications

We are working to identify possible industry certifications for this program.

In-Demand Education Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Teacher Assistant	\$22,620	7%	27,801
Associate's Degree	Preschool Teacher	\$26,900	9%	5,865
Bachelor's Degree	Special Education Teacher, Kindergarten and Elementary School	\$48,980	6%	2,031
	Elementary School Teacher	\$49,250	6%	20,454
	Middle School Teacher	\$51,400	6%	7,419
	Secondary School Teacher	\$51,870	6%	14,033
	School and Guidance Counselor	\$51,950	11%	4,658



ENGINEERING PATHWAY

Engineering is the process of applying math and science to the design and manufacturing of machines, equipment, buildings, medicine, computer software and almost anything that is man made. Engineers commonly focus on a specific type of engineering, including chemical, civil/structural, computer, electrical, industrial, mechanical or biomedical. Successful students will be well positioned to further pursue Engineering in College.



Pathway Sequence & Course Information

The Engineering Pathway consists of a four course sequence. In year 3, students specialize in a field of engineering that captures their interest. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Introduction to Engineering Design: 2 Semesters | 9th or 10th Grade

Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions.

YEAR 1



Principles of Engineering: 2 Semesters | 10th or 11th Grade

Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering.

YEAR 2



**Aerospace
Engineering**
2 Semesters
11th or 12th Grade

OR

**Civil Engineering
& Architecture**
2 Semesters
11th or 12th Grade

OR

**Computer Integrated
Manufacturing**
2 Semesters 11th or
12th Grade

OR

Digital Electronics
2 Semesters
11th or 12th Grade

OR

**Environmental
Sustainability**
2 Semesters
11th or 12th Grade

YEAR 3



Engineering Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



ENGINEERING PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Students may earn college credit through our dual-credit partner, Ivy Tech Community College.



Industry Certifications

Industry certifications may be earned through one or more of the engineering specialty courses. The engineering program is part of the nationally recognized PLTW Network. As such, students have access to a host of PLTW related resources and partnerships.



In-Demand STEM Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Engineering Technician	\$63,980	5%	1,474
Bachelor's Degree	Chemist	\$65,450	11%	2,445
	Industrial Engineer	\$65,450	11%	2,445
	Mechanical Engineer	\$74,030	19%	7,900
	Electrical Engineer	\$79,120	25%	282
	Biochemist and Biophysicist	\$110,630	15%	262



BIOMEDICAL SCIENCE & TECH. PATHWAY

Biomedical sciences are a set of sciences applying portions of natural science or formal science, or both, to develop knowledge, interventions, or technology that are of use in healthcare or public health. Students that study Biomedical Sciences are prepared to apply the engineering design processes and advanced technology to develop medical solutions and innovations.



Pathway Sequence & Course Information

The Biomedical Sciences Pathway consists of a four course sequence. Students that earn a “C” or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Biomedical Science: 2 Semesters | 9th or 10th Grade

Through “hands-on” projects and problems, this course introduces students to BioMed. Students investigate human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. The course is designed to provide an overview of the Biomedical Sciences program and to lay the scientific foundation necessary for subsequent courses.

YEAR 1



Human Body Systems: 2 Semesters | 10th or 11th Grade

Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Students will use appropriate software to design and build systems to monitor body functions.

YEAR 2



Medical Interventions: 2 Semesters | 11th or 12th Grade

Medical Interventions is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions.

YEAR 3



Biomedical Innovation Capstone: 2+ Semesters | 12th Grade

This course is designed to give students the opportunity to design innovative solutions for 21st Century Health challenges as they work through open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

YEAR 4



BIOMEDICAL SCIENCE & TECH. PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit via Ivy Tech Community College.



Industry Connections

The Engineering program is part of the nationally recognized PLTW network. As such, students have access to a host of PLTW related resources and partnerships.



In-Demand Biomedical Science Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Healthcare Support Workers, All Other	\$31,030	15%	27,212
	Medical Equipment Preparers	\$32,640	5%	1,021
Associate's Degree	Licensed Practical or Vocational Nurse	\$41,540	12%	14,071
	Physical Therapist Assistant	\$55,950	32%	3,674
	Dental Hygienist	\$67,230	19%	4236
Bachelor's Degree	Athletic Trainer	\$44,460	19%	437
	Dietitian and Nutritionist	\$55,680	16%	1,037
	Biochemist and Biophysicist	\$110,630	15%	262



PHARMACY TECHNICIAN PATHWAY

A pharmacy technician is a licensed health care provider who performs pharmacy-related functions, working collaboratively with a licensed pharmacist. Pharmacy Technicians help pharmacists dispense prescription medication to customers or health professionals. Successful students earn full licensure and are prepared for employment in the Pharmacy industry immediately upon graduation.

Pathway Sequence & Course Information

The Pharmacy Technician Pathway consists of a four course sequence. Year 1 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Healthcare: 2 Semesters | 10th or 11th Grade

Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.



Medical Terminology: 2 Semesters | 11th or 12th Grade

Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. Students acquire essential skills for communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols.



Pharmacy Technician: 2 Semesters | 11th or 12th Grade | *Double-Block*

This course introduces the student to the foundational principles, career concepts, and entry level skills and duties typically performed by a pharmacy technician in community/retail, hospital/health system, and other pharmacy practice settings. Essential pharmacy calculations are presented with emphasis on the development of problem-solving skills for safe pharmacy practices.



Pharmacy Technician Capstone: 2+ Semesters | 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 1
(CONCURRENT)

YEAR 2

YEAR 3



PHARMACY TECHNICIAN PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Certification

Dual Credit & Industry Credentials

Dual Credit

We currently are working to identify a dual-credit provider for this pathway.

Industry Certifications

Students earn certification via the Indiana Professional Licensing Agency.



In-Demand Healthcare Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Nursing Assistant	\$25,000	11%	40,167
	Pharmacy Technician	\$29,860	9%	8,721
	Medical Assistant	\$30,740	28%	18,807
Associate's Degree	Licensed Practical or Vocational Nurse	\$41,540	12%	14,071
	Physical Therapist Assistant	\$55,950	32%	3,674
	Dental Hygienist	\$67,230	19%	4236
Bachelor's Degree	Athletic Trainer	\$44,460	19%	437
	Dietitian and Nutritionist	\$55,680	16%	1,037
	Biochemist and Biophysicist	\$110,630	15%	262



PRE-NURSING / HEALTHCARE SPECIALIST PATHWAY

Certified Nursing Assistants, or CNAs, provide direct care to patients in hospitals, nursing homes and home care. As a vital part of a larger care team, Certified Nursing Assistants help patients with a wide range of basic needs, including eating, bathing, grooming, mobility and more. Successful students in this pathway earn their C.N.A. License and are prepared to work full-time upon graduation. Students also may apply credit earned toward a LPN or RN program after high school.

Pathway Sequence & Course Information

The Pre-Nursing / Healthcare Specialist Pathway consists of a four course sequence. Year 1 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Healthcare: 2 Semesters | 10th or 11th Grade

Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.



Medical Terminology: 2 Semesters | 11th or 12th Grade

Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. Students acquire essential skills for communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols.



Healthcare Specialist C.N.A.: 2 Semesters | 11th or 12th Grade | *Double-Block*

Healthcare Specialist: CNA prepares individuals desiring to work as nursing assistants providing basic care in extended care facilities, hospitals and home health agencies under the direction of licensed nurses. Successful students are eligible to sit for the Indiana State Department of Health certification exam for nursing assistants. This course meets the minimum standards set forth by the ISDH for Certified Nursing Assistant training and for health care workers in long-term care facilities.



Healthcare Specialist Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 1
(CONCURRENT)

YEAR 2

YEAR 3



PRE-NURSING / HEALTHCARE SPECIALIST PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit via Ivy Tech Community College



Industry Certifications

Successful students in this pathway may earn certification via the Indiana Professional Licensing Agency.



In-Demand Healthcare Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Nursing Assistant	\$25,000	11%	40,167
	Pharmacy Technician	\$29,860	9%	8,721
	Medical Assistant	\$30,740	28%	18,807
Associate's Degree	Licensed Practical or Vocational Nurse	\$41,540	12%	14,071
	Physical Therapist Assistant	\$55,950	32%	3,674
	Dental Hygienist	\$67,230	19%	4,236
Bachelor's Degree	Athletic Trainer	\$44,460	19%	437
	Dietitian and Nutritionist	\$55,680	16%	1,037
	Biochemist and Biophysicist	\$110,630	15%	262



CULINARY ARTS PATHWAY

Culinary Arts is the preparation, cooking and presentation of food and meals. Chefs and cooks usually work in restaurants, planning menus, purchasing and preparing food to be used, and cooking and baking meals to be served to customers. Successful students are licensed and prepared to be employed in both front-of-the-house and back-of-the-house restaurant roles.



Pathway Sequence & Course Information

The Culinary Arts Pathway consists of a four course sequence. Year 2 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Culinary and Hospitality: 2 Semesters | 9th or 10th Grade

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment.

YEAR 1



Nutrition: 2 Semesters | 10th or 11th Grade

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation.

YEAR 2
(CONCURRENT)



Culinary Arts: 2 Semesters | 10th or 11th Grade

Culinary Arts teaches students how to prepare the four major stocks, the five mother sauces (in addition to smaller sauces) and various soups. Additional emphasis is placed on the further development of the classical cooking methods. This course will also present the fundamentals of baking science including terminology, ingredients, weights and measures, and proper use and care of equipment.



Culinary Arts Capstone: 2+ Semesters | 11th or 12th Grade

In this capstone students gain valuable experience by managing and operating Bernie's Place, MCIT's on-site restaurant. Students apply lessons learned during their pathway to serve patrons from both the school community and the public. Bernie's also provides students with experience catering for events both on-site and delivery.

YEAR 4



CULINARY ARTS PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit via Vincennes University.



Industry Certifications

Successful students in this pathway may earn industry certifications from the National Restaurant Association.



In-Demand Hospitality & Tourism Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Baker	\$25,380	8%	5,190
	Housekeeping Supervisor	\$35,470	11%	5,710
	Chef and Head Cook	\$41,380	9%	2,737
	Lodging Manager	\$44,410	3%	572
	Gaming Supervisor	\$48,600	1%	1,030
	Food Service Manager	\$52,590	8%	5,445



HOSPITALITY MANAGEMENT PATHWAY

Hospitality management is a career path that typically falls under the hotels, resorts, and lodging industry. Professionals in this field create and run many aspects of the guest experience. Successful Students in this pathway will have the opportunity to engage in Work-Based Learning in the Indianapolis Hospitality industry.

Pathway Sequence & Course Information

The Hospitality Management Pathway consists of a four course sequence. Year 2 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Culinary and Hospitality: 2 Semesters | 9th, 10th or 11th Grade

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment.

YEAR 1



Nutrition: 2 Semesters | 10th, 11th or 12th Grade

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation.

YEAR 2
(CONCURRENT)



Hospitality Management: 2 Semesters | 10th, 11th or 12th Grade

Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study in higher education that leads to a full spectrum of hospitality careers. Three major goals of this course are for students to be able to identify current trends in hotel and restaurant management, distinguish the difference between hospitality and tourism, and state differences in front of the house versus back of the house.



Hospitality Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



HOSPITALITY MANAGEMENT PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit via Vincennes University.



Industry Certifications

We are working to identify possible industry certifications for this program.

In-Demand Hospitality & Tourism Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Baker	\$25,380	8%	5,190
	Housekeeping Supervisor	\$35,470	11%	5,710
	Chef and Head Cook	\$41,380	9%	2,737
	Lodging Manager	\$44,410	3%	572
	Gaming Supervisor	\$48,600	1%	1,030
	Food Service Manager	\$52,590	8%	5,445



BARBERING PATHWAY

A barber is a person whose occupation is mainly to cut, dress, groom, style and shave men's and boys' hair or beards. A barber's place of work is known as a "barbershop" or a "barber's". Barbershops are often places of social interaction and public discourse within a community. Successful students in this pathway will be licensed and employable as a Barber upon program completion.



Pathway Sequence & Course Information

The Barbering Pathway consists of a four course sequence. Year 2 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Barbering & Cosmetology: 2 Semesters | 10th or 11th Grade

Principles of Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, and bacteriology and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours.

YEAR 1



Barbering Fundamentals: 2 Semesters | 11th or 12th Grade

Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Cosmetology. Clinical application and theory in the science of cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours.

YEAR 2
(CONCURRENT)



Advanced Barbering: 2 Semesters | 11th or 12th Grade

Advanced Barbering is a course with a focus particularly on barbering styles and techniques. Upon completion of the course requirements, the students will be able to Perform basic manipulative skills including haircutting, hairstyling, perming, shaving, treatment of the skin and scalp, salon management, license laws, sanitation and retain knowledge relating to the history of barbering.



Barbering & Cosmetology Capstone: 2+ Semesters | 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 3



BARBERING PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit via Vincennes University.



Industry Certifications

Successful students in this pathway will earn industry certifications from the Indiana Professional Licensing Agency.



In-Demand Human Services Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Manicurist and Pedicurist	\$20,880	10%	1,519
	Skincare Specialist	\$24,850	11%	1,456
	Hairdresser, Hairstylist, and Cosmetologist	\$25,060	10%	18,537
	Barber	\$26,290	5%	1,397
	Fitness Trainer	\$32,560	7%	7,813
Associate's Degree	Community Health Worker	\$42,820	17%	1,724
Bachelor's Degree	Child, Family, and School Social Worker	\$38,940	12%	7,273
	Healthcare Social Worker	\$48,080	21%	5,989



COSMETOLOGY PATHWAY

Cosmetology is the practice of hair cutting and styling, treating and coloring nails, and caring for skin. Cosmetologists perform an essential role in helping people look and feel their best, typically working in beauty salons, spas and barber shops. Successful students in this pathway will be licensed and employable as a Cosmetologist upon program completion.



Pathway Sequence & Course Information

The Cosmetology Pathway consists of a four course sequence. Year 2 courses should be taken concurrently as a Double-Block. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Barbering & Cosmetology: 2 Semesters | 10th or 11th Grade

Principles of Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, and bacteriology and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours.

YEAR 1



Cosmetology Fundamentals: 2 Semesters | 11th or 12th Grade

Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Cosmetology. Clinical application and theory in the science of cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours.

YEAR 2
(CONCURRENT)



Advanced Cosmetology: 2 Semesters | 11th or 12th Grade

Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials and manicuring. Students will also study anatomy and physiology as it applies to cosmetology.



Barbering & Cosmetology Capstone: 2+ Semesters | 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 3



COSMETOLOGY PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway will earn dual-credit via Vincennes University.



Industry Certifications

Successful students in this pathway will earn industry certifications from the Indiana Professional Licensing Agency.



In-Demand Human Services Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Manicurist and Pedicurist	\$20,880	10%	1,519
	Skincare Specialist	\$24,850	11%	1,456
	Hairdresser, Hairstylist, and Cosmetologist	\$25,060	10%	18,537
	Barber	\$26,290	5%	1,397
	Fitness Trainer	\$32,560	7%	7,813
Associate's Degree	Community Health Worker	\$42,820	17%	1,724
Bachelor's Degree	Child, Family, and School Social Worker	\$38,940	12%	7,273
	Healthcare Social Worker	\$48,080	21%	5,989



CYBERSECURITY PATHWAY

Cybersecurity is the protection of computer and network systems from digital theft, damage or sabotage. “Cyberattacks” are external threats, centered around interrupting normal business processes. Cybersecurity focuses its efforts on detecting, identifying and responding to external cyber-threats, and how to recover from them. Successful students will be well positioned for immediate employment in one of the fastest growing fields in technology.

Pathway Sequence & Course Information

The Cybersecurity Pathway consists of a four course sequence. Students that earn a “C” or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Computing: 2 Semesters | 10th or 11th Grade

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to any organization. Students will learn about algorithms, logic development and flowcharting.

YEAR 1



Cybersecurity Fundamentals: 2 Semesters | 11th or 12th Grade | *Double Block*

This course introduces fundamental networking protocols and their hierarchical relationship in the context of conceptual Information Communication Technology (ICT) frameworks. Students will learn how networked hosts and applications communicate across networks. Emphasis is placed on security throughout the entire SDLC (Systems Development Life Cycle). Students pursue CompTia Net + Certification.

YEAR 2



Advanced Cybersecurity: 2 Semesters | 11th or 12th Grade | *Double Block*

Students will acquire the fundamentals of information and data security and understand the vulnerability most organizations have in their security systems with an emphasis on firewalls, security plans and Virtual Private Networks (VPNs). Discussions will include data security methods, authentication, network attacks, malicious code and viruses, wireless security, e-mail and web security and disaster recovery. Students pursue CompTia Security + Certification.

YEAR 3



Cybersecurity Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



CYBERSECURITY PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials

Dual Credit & Industry Credentials

Dual Credit

We are currently working to identify a dual-credit provider for this pathway.

Industry Certifications

Successful students in this pathway will earn industry certifications through CompTIA.



In-Demand Information Technology Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
Associate's Degree	Computer User Support Specialist	\$48,800	13%	8,483
	Web Developer	\$59,080	11%	1,614
	Network and Computer Sys. Admin	\$70,950	7%	5,394
	Computer Network Architect	\$82,420	11%	2,427
Bachelor's Degree	Computer Systems Analyst	\$76,860	11%	6,616
	Information Security Analyst	\$79,370	34%	1,306
	Software Developer, Applications	\$82,210	37%	9,412
	Computer and Information Systems Manager	\$112,440	12%	4,199



IT OPERATIONS PATHWAY

IT Support & Service Technicians work directly with end-users to troubleshoot a host of IT issues that may be disrupting productivity or even entertainment. IT Technicians often hold a series of industry certifications related to the support and service of specific hardware or software. Successful students can expect to be immediately employable in IT Support, including employment opportunities with the school district.

Pathway Sequence & Course Information

The IT Operations Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Computing: 2 Semesters | 10th or 11th Grade

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to any organization. Students will learn about algorithms, logic development and flowcharting.

YEAR 1



Information Technology Fundamentals: 2 Semesters | 11th or 12th Grade

This course provides the necessary competencies required for an entry-level Information Technology professional. The course is designed to prepare students to successfully earn the CompTIA A+ Certification. Upon completion of this course students will be qualified to enter the I.T. Field in support, repair and troubleshooting.

YEAR 2



Networking and Cybersecurity Operations: 2 Semesters | 11th or 12th Grade

This course will provide students with the fundamental concepts in networking and cybersecurity. Students are introduced to the principles and concepts of computer networking, covering the architecture, components, and operations of routers and switches in a small network. Students are also exposed to fundamental cybersecurity. Students pursue CompTIA Net+ Certification.

YEAR 3



I.T. Operations Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



IT OPERATIONS PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator
- ☒ Industry Credentials
- ☒ Dual-Credit

Dual Credit & Industry Credentials

Dual Credit

Successful students in this pathway may earn dual-credit from Vincennes University.



Industry Certifications

Successful students in this pathway will earn industry certifications through CompTIA.



In-Demand Information Technology Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
Associate's Degree	Computer User Support Specialist	\$48,800	13%	8,483
	Web Developer	\$59,080	11%	1,614
	Network and Computer Sys. Admin	\$70,950	7%	5,394
	Computer Network Architect	\$82,420	11%	2,427
Bachelor's Degree	Computer Systems Analyst	\$76,860	11%	6,616
	Information Security Analyst	\$79,370	34%	1,306
	Software Developer, Applications	\$82,210	37%	9,412
	Computer and Information Systems Manager	\$112,440	12%	4,199



SOFTWARE DEVELOPMENT PATHWAY

Software Development refers to using computer code to create, design, deploy and support computer software. Software Development Students study full-stack development including Database, Logic and UX Layers. Successful students will be well prepared to continue studying Software Development and Computer Science In college, while being well positioned for immediate employment upon Graduation.

Pathway Sequence & Course Information

The Software Development Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Computing: 2 Semesters | 10th or 11th Grade

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to any organization. Students will learn about algorithms, logic development and flowcharting.

YEAR 1



Website & Database Development: 2 Semesters | 11th or 12th Grade

Website and Database Development will provide students a basic understanding of the essential Web and Database skills and business practices that directly relate to Internet technologies used in Website and Database design and development. Students will learn to develop Web sites using HTML and Cascading Style Sheets (CSS). Additionally students will be introduced to the basic concepts of databases and data concepts such as data warehousing, data mining, and BIG Data.

YEAR 2



Software Development: 2 Semesters | 11th or 12th Grade

Software Development introduces students to concepts and practices of programming languages and software development. Students are introduced to algorithms and development tools used to document/implement computer logic. Concepts will be applied using different programming languages, and students will develop and test working programs in an integrated system.

YEAR 3



Software Development Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



SOFTWARE DEVELOPMENT PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator

Dual Credit & Industry Credentials

This is a new pathway that is still under development. We are actively working with local partners to identify dual credit and industry certifications that align with industry needs.

In-Demand Information Technology Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
Associate's Degree	Computer User Support Specialist	\$48,800	13%	8,483
	Web Developer	\$59,080	11%	1,614
	Network and Computer Sys. Admin	\$70,950	7%	5,394
	Computer Network Architect	\$82,420	11%	2,427
Bachelor's Degree	Computer Systems Analyst	\$76,860	11%	6,616
	Information Security Analyst	\$79,370	34%	1,306
	Software Developer, Applications	\$82,210	37%	9,412
	Computer and Information Systems Manager	\$112,440	12%	4,199



CRIMINAL JUSTICE PATHWAY

Criminal Justice is responsible for serving and protecting the public and is often on the front lines of finding and apprehending law breakers. The court system upholds and interprets the laws, determines guilt or innocence, and delivers punishment. Successful students will gain experience working alongside Law Enforcement in service for the community. Students earn certification as an Emergency Dispatcher upon completion of this program.

Pathway Sequence & Course Information

The Criminal Justice Pathway consists of a four course sequence. Students that earn a "C" or better in the first three courses earn CTE Concentrator status to satisfy the box 3 requirement for graduation. This reflects the current version of the pathway; course sequences may be subject to change.



Principles of Criminal Justice: 2 Semesters | 10th or 11th Grade

Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system.

YEAR 1



Law Enforcement Fundamentals: 2 Semesters | 11th or 12th Grade

Law Enforcement Fundamentals Critically examines the history and nature of the major theoretical perspectives in criminology, and the theories found within those perspectives. Analyzes the research support for such theories and perspectives, and the connections between theory and criminal justice system practice within all the major components of the criminal justice system.

YEAR 2



Corrections & Cultural Awareness: 2 Semesters | 11th or 12th Grade

Corrections and Cultural Awareness emphasizes the study of American criminal justice problems and systems in historical and cultural perspectives, as well as discussing social and public policy factors affecting crime. Multidisciplinary and multicultural perspectives are stressed.

YEAR 3



Criminal Justice Capstone: 2+ Semesters | 11th or 12th Grade

The Capstone course provides students with Work-Based Learning, Apprenticeship and Internship opportunities with local and regional businesses. Students are matched with potential employers based on interest, skill and certification. Students gain valuable work experience, while also earning wages as they learn.

YEAR 4



CRIMINAL JUSTICE PATHWAY - CONTINUED

Graduation Pathways Requirements

1

DIPLOMA OPTIONS

- ☒ Core 40
- ☒ Academic Honors
- ☒ Technical Honors

2

EMPLOYABILITY SKILLS

- ☒ Project-Based Learning
- ☒ Work-Based Learning

3

POST-SECONDARY READINESS

- ☒ CTE Concentrator

Dual Credit & Industry Credentials

Dual Credit

We are currently working to identify a dual-credit provider for this pathway.

Industry Certifications

Successful students in this pathway will earn industry certifications through CompTIA.



In-Demand Criminal Justice Occupations

Education Level	Occupation	Median Salary	Job Growth Over Next 10 Years	Job Openings Projected Over Next 10 Years
High School + Industry Certification	Security Guard	\$27,000	7%	24,271
	Police, Fire, and Ambulance Dispatcher	\$35,570	9%	2,126
	Firefighter	\$46,620	8%	5,855
	Police and Sheriff's Patrol Officer	\$51,960	7%	8,469
Associate's Degree	Paralegal and Legal Assistant	\$45,560	19%	5,114
	Security Manager	\$70,740	7%	10,468



**GRADUATION PATHWAYS &
NEXT LEVEL PROGRAMS OF STUDY**

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